

Figure 1A

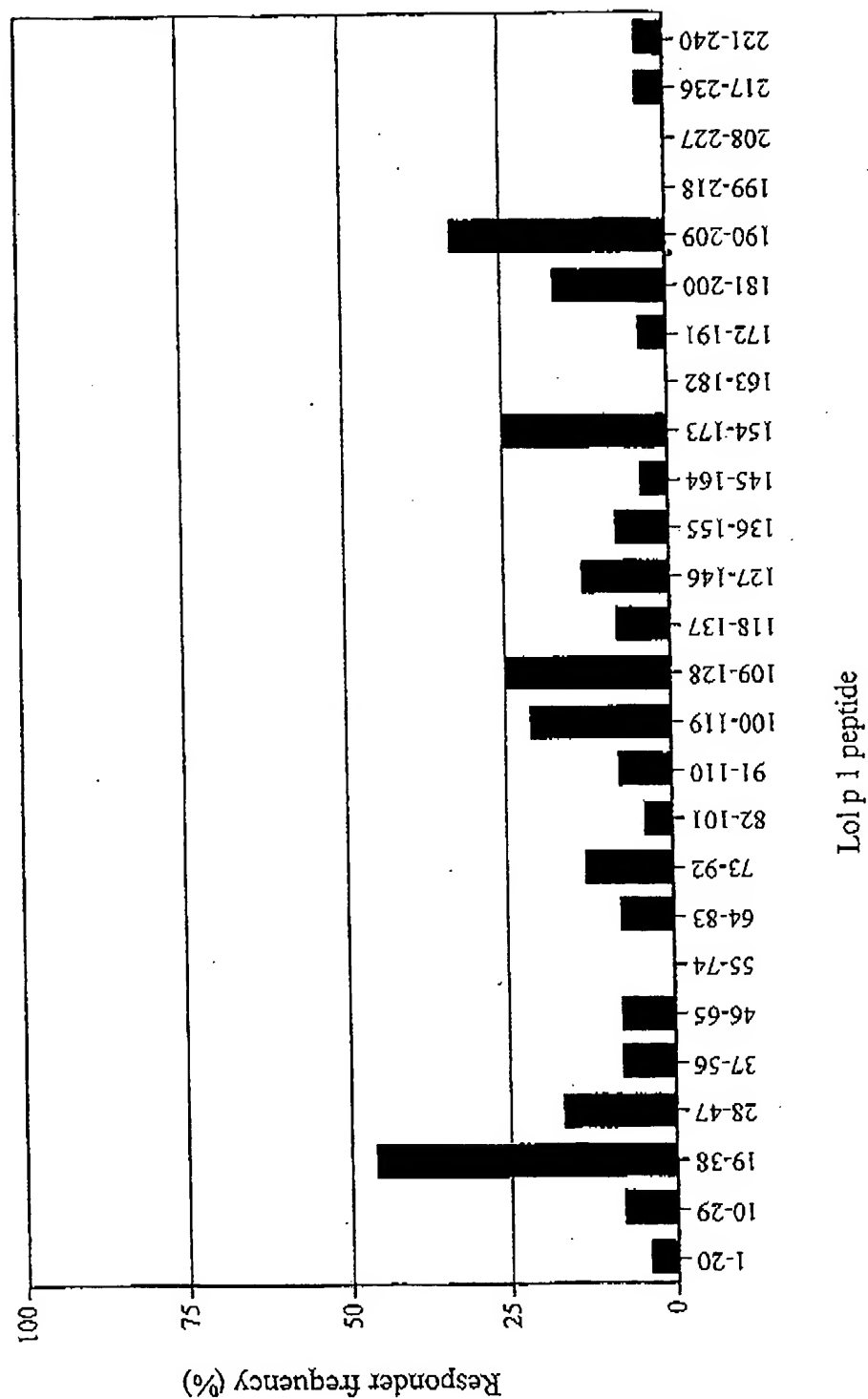


Figure 1B

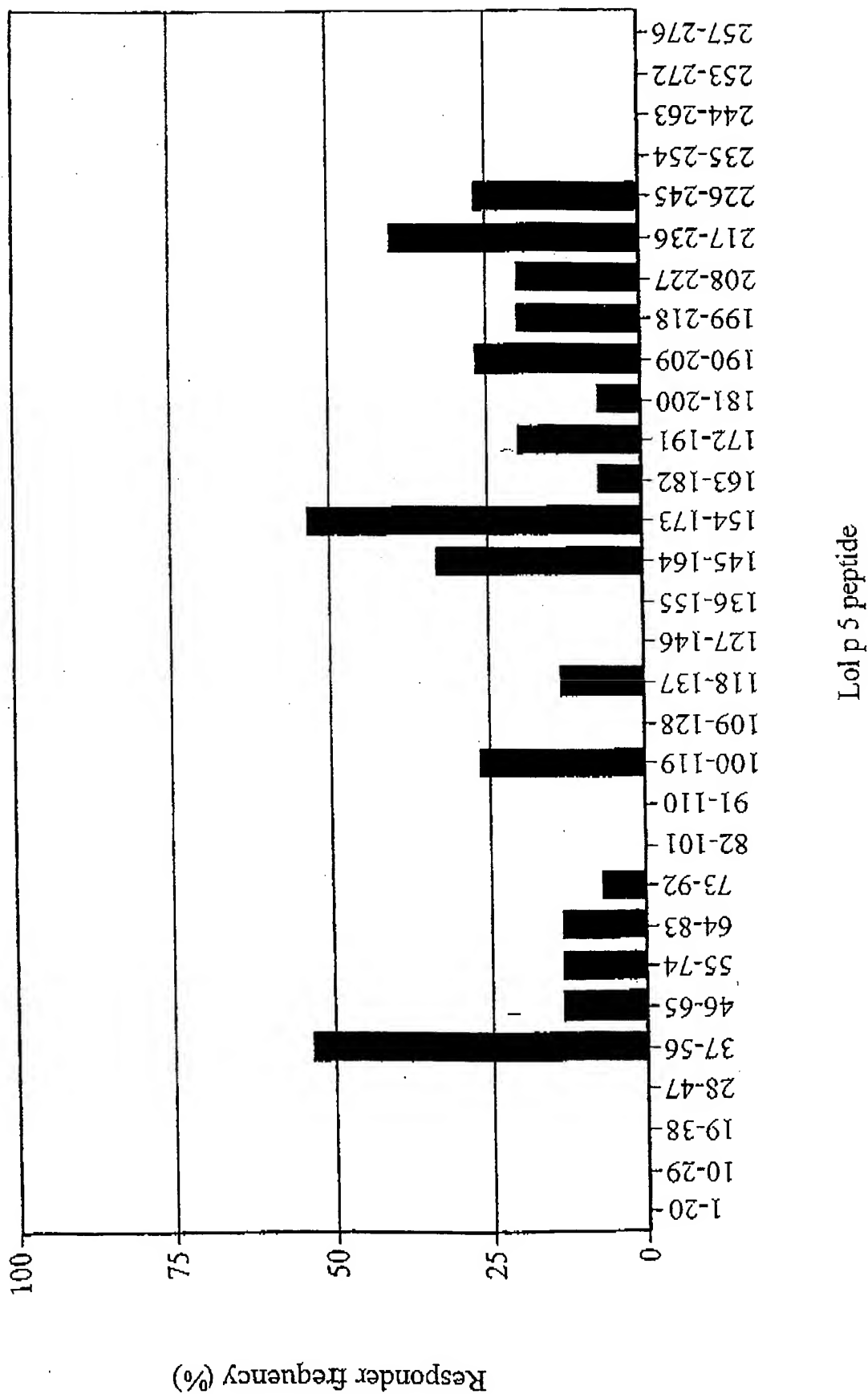


Figure 2

Peptide		
SEQ ID NO: 3	1-20	<sup>1</sup> IAKVPPGPNITAEYGDKNLD <sup>20</sup>
SEQ ID NO: 4	11-29	<sup>10</sup> ITAEYGDKNLDAKSTWYGRP <sup>29</sup>
SEQ ID NO: 5	19-38	<sup>19</sup> LDAKSTWYGRPTGAGPKONG <sup>28</sup>
SEQ ID NO: 6	28-47	<sup>28</sup> KPTGAGPKDNGGAGYKDW <sup>47</sup>
SEQ ID NO: 7	37-56	<sup>37</sup> NGGAGYKDVVKAPFTNGWTG <sup>56</sup>
SEQ ID NO: 8	46-65	<sup>46</sup> VDKAPENGMTGCCNTPIFKD <sup>65</sup>
SEQ ID NO: 9	55-74	<sup>55</sup> TGCCNTPIFKDGRGCGSCFE <sup>74</sup>
SEQ ID NO: 10	64-83	<sup>64</sup> KDGRGCGSCFEIKCTKPESC <sup>83</sup>
SEQ ID NO: 11	73-92	<sup>73</sup> FEIKCTKPESCSCGEAVVTI <sup>92</sup>
SEQ ID NO: 12	82-101	<sup>82</sup> SCSGEAVVTITDDNEEPIA <sup>101</sup>
SEQ ID NO: 13	91-110	<sup>91</sup> TITDDNEEPIAPYHFDLSGH <sup>110</sup>
SEQ ID NO: 14	100-119	<sup>100</sup> IAPYHFDLSGHAFGSMKKG <sup>119</sup>
SEQ ID NO: 15	109-128	<sup>109</sup> CHAFGSMKKGEEQNVRSAG <sup>128</sup>
SEQ ID NO: 16	118-137	<sup>118</sup> KGEEQNVRSAGELELQERRV <sup>137</sup>
SEQ ID NO: 17	127-146	<sup>127</sup> AGELELQERRVKCKYPDDTK <sup>146</sup>
SEQ ID NO: 18	136-155	<sup>136</sup> RVKCKYPDDTKPTEHVEKGS <sup>155</sup>
SEQ ID NO: 19	145-164	<sup>145</sup> TKPTEHVEKGSNPNYLAILV <sup>164</sup>
SEQ ID NO: 20	154-173	<sup>154</sup> GSNPNYLAILVKYVDGSDV <sup>173</sup>
SEQ ID NO: 21	163-182	<sup>163</sup> LVKYVDGSDVAVDIKEG <sup>182</sup>
SEQ ID NO: 22	172-191	<sup>172</sup> DVAVDIKEGKDKWIELKE <sup>191</sup>
SEQ ID NO: 23	181-200	<sup>181</sup> KGKDKWIELKESNGAVWRID <sup>200</sup>
SEQ ID NO: 24	190-209	<sup>190</sup> KESNGAVWRIDTPDKLTGPF <sup>209</sup>
SEQ ID NO: 25	199-218	<sup>199</sup> IDTPDKLTGPFVRYTTEGG <sup>218</sup>
SEQ ID NO: 26	208-227	<sup>208</sup> PFTVRYTTEGGTKSEVEDVI <sup>227</sup>
SEQ ID NO: 27	217-236	<sup>217</sup> GGTKSEVEDVIPEGWKADTS <sup>236</sup>
SEQ ID NO: 28	221-240	<sup>221</sup> SEVEDVIPEGWKADTSYSAK <sup>240</sup>

Figure 3

Peptide	
SEQ ID NO: 29	1-20
SEQ ID NO: 30	11-29
SEQ ID NO: 31	19-38
SEQ ID NO: 32	28-47
SEQ ID NO: 33	37-56
SEQ ID NO: 34	46-65
SEQ ID NO: 35	55-74
SEQ ID NO: 36	64-83
SEQ ID NO: 37	73-92
SEQ ID NO: 38	82-101
SEQ ID NO: 39	91-110
SEQ ID NO: 40	100-119
SEQ ID NO: 41	109-128
SEQ ID NO: 42	118-137
SEQ ID NO: 43	127-146
SEQ ID NO: 44	136-155
SEQ ID NO: 45	145-164
SEQ ID NO: 46	154-173
SEQ ID NO: 47	163-182
SEQ ID NO: 48	172-191
SEQ ID NO: 49	181-200
SEQ ID NO: 50	190-209
SEQ ID NO: 51	199-218
SEQ ID NO: 52	208-227
SEQ ID NO: 53	217-236
SEQ ID NO: 54	226-245
SEQ ID NO: 55	235-254
SEQ ID NO: 56	244-263
SEQ ID NO: 57	253-272
SEQ ID NO: 58	257-276

1	ADAGYTPAAAATPATPATP <sup>20</sup>
10	AATPATPATPAAAGGKATT <sup>29</sup>
19	TTPAAAGGKATTEQKLEEDV <sup>38</sup>
28	TTDEQKLEEDVNAGFKAAVA <sup>47</sup>
37	DVNAGFKAAVAAAANAPPAD <sup>56</sup>
46	VAAAANAPPADKFKIFEAAE <sup>55</sup>
55	ADKFKIFEAAFESESSKGLLA <sup>74</sup>
64	AFSESSKGLLATSAAKAPGL <sup>83</sup>
73	LATSAAKAPGLIPKLDATYD <sup>92</sup>
82	GLIPKLDATYDVAYKAAEGA <sup>101</sup>
91	YDVAYKAAEGATPEAKYDAE <sup>110</sup>
100	GATPEAKYDAFVTALTEALR <sup>119</sup>
109	AFVTALTEALRVIAALEVH <sup>128</sup>
118	LRVIAALEVHAVKPAATEEV <sup>137</sup>
127	VHAVKPAATEEVPAKIPITGE <sup>146</sup>
136	EVPAKIPITGELQIVDKIDA <sup>155</sup>
145	GELQIVDKIDAAFKIAATAA <sup>164</sup>
154	DPAFKIAATAANAAPTNDKE <sup>173</sup>
163	ANAAPTNDKFTVFESAENK <sup>182</sup>
172	KFTVFESAENKALNECTGGA <sup>191</sup>
181	NKALNECTGGAYETKFI <sup>200</sup>
190	GAYETKFI <sup>209</sup>
199	PSLEAAVKQAYAAATVAAPE <sup>218</sup>
208	AAATVAAPEVKYAVFEAA <sup>227</sup>
217	PEVKYAVFEALTKAITANT <sup>236</sup>
226	AALTKAITANTQAQKQKPA <sup>254</sup>
235	MTQAQKQKPAARAATGAATAA <sup>263</sup>
244	PARAATGAATAAAGATAAAG <sup>272</sup>
253	ATVATGAATAAAGATAAAG <sup>276</sup>
257	TGAATARAAGATAAAGGYKA <sup>276</sup>

## Figure 4

5A	ADAGYT <u>PAAA</u> ATPATPAAT <u>PAAA</u> -----GGKATTD	30	
5C	.....T..AA.....T..ATPAAG-----G.....D	30	
5B	.....A..TP.....A..TAATPATPATPATPAAVPS.....E	42	
5A	EQKLEDVNAGFKA AVAAAANAPPADKFKIFEAAFSSESK--	72	
5C	....L.DV.....D.NA.....F.I.EAA.SESCK--	72	
5B	....I.KI.....A.VV.....Y.T.VET.GTATNKA	84	
5A	---GLLAT- <u>SAAKAPGLIPKLD</u> TAYDVAYKAAEGATPEAKYD	108	
5C	---..LAT-SDAKAPG.IL...TDYDV..KAGE.....	108	
5B	FVE..ASGYADQSKNQ.TS...AALKL..E.AQ.....	126	
5A	AFVTALTEALRVIAGALEVHAVKPAATEEVPAAKIPTGELQIV	150	
5C	.F.TA.....A.....T...PAAK..TG.L.IV	150	
5B	.Y.AT.....T.....A...KVGA..AA.V.LI	168	
5A	DKIDAAFKIAATAANAAPTNDKFTVFESAFNKALNECTGGAY	192	
5C	..I...FKI.....T.....SA..K.LKECT.G..	192	
5B	..V...YRT.....A.....NT..N.IKVSL.A..	210	
5A	ETYKFIPSLEAAVKQAYAAATVAAAPEVKYAVFEAALTKAITA	234	
5C	ET.....S.E.....TTV.A.....A.F.A..T..I..	234	
5B	DS.....T.V.....AKQ.T.....T.S.T..K..V..	252	
5A	MTQAQKAGKFAAAA-----ATGAATVAT	261	
5C	.SQ.Q.VAK.....-----..GAATV..	261	
5B	.SE.E.EAT.....TATPTPAAATATATPAAAY..ATPAA..	294	
5A	GAATAAAGAAT-AAAGGYKA	276	SEQ ID NO: 59
5C	G...A..GG--.....A	276	SEQ ID NO: 60
5B	AT..P..AT..P.....V	314	SEQ ID NO: 61